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# IMPORTANT ANNOUNCEMENT

## TO

# ALL TEACHERS OF MATHEMATICS

## AND

# OTHERS INTERESTED IN MATHEMATICAL PROGRESS

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THE AMERICAN MATHEMATICAL MONTHLY, since its reorganization in January, 1913, has endeavored to fulfill its mission as "A JOURNAL FOR TEACHERS OF MATHEMATICS IN THE COLLEGIATE AND ADVANCED SECONDARY FIELDS."

A selection from the Tables of Contents of the first six numbers includes articles on—

**The History of Mathematics**, such as the following:

- "History of the Exponential and Logarithmic Concepts," by PROFESSOR FLORIAN CAJORI, of Colorado College;
- "The Foundation Period in the History of Group Theory," by JOSEPHINE BURNS, Graduate Student at the University of Illinois;
- "Errors in the Literature on Groups of Finite Order," by PROFESSOR G. A. MILLER, University of Illinois.

**Pedagogical Considerations**, such as the following:

- The "Foreword" concerning Collegiate Mathematics, by PROFESSOR E. R. HEDRICK, University of Missouri;
- "Mathematical Literature for High Schools," by PROFESSOR G. A. MILLER;
- "Minimum Courses in Engineering Mathematics," by PROFESSOR SAUL EPSTEEN, University of Colorado;
- "Incentives to Mathematical Activity," by PROFESSOR H. E. SLAUGHT, University of Chicago.

**General Mathematical Information**, such as the following:

- "The Third Cleveland Meeting of the American Association for the Advancement of Science," by PROFESSOR G. A. MILLER;
- "Western Meetings of Mathematicians," by PROFESSOR H. E. SLAUGHT;
- "Notes and News" of events pertaining to mathematics, under the direction of a committee of which PROFESSOR FLORIAN CAJORI is chairman;
- "Book Reviews" and announcements of new books in mathematics, under the direction of a committee of which PROFESSOR W. H. BUSSEY, University of Minnesota, is chairman.

**Topics Involving a Minimum of Technical Treatment**, such as the following:

- “Maximum Parcels under the New Parcel Post Law,” by PROFESSOR W. H. BUSSEY;
- “Precise Measurements with a Steel Tape,” by PROFESSOR G. R. DEAN, Missouri School of Mines;
- “A Direct Definition of Logarithmic Derivative,” by PROFESSOR E. R. HEDRICK;
- “A Simple Formula for the Angle Between Two Planes,” by PROFESSOR E. V. HUNTINGTON, Harvard University;
- “Two Geometrical Applications of the Method of Least Squares,” by PROFESSOR J. L. COOLIDGE, Harvard University;
- “Problems Proposed and Solved,” under the direction of a committee of which PROFESSOR B. F. FINKEL, Drury College, is chairman.

**Topics Involving Somewhat More Technical Treatment**, designed to stimulate mathematical activity on the part of ambitious students and teachers. Such articles have occupied only about one-sixth of the entire space; for example, such as the following:

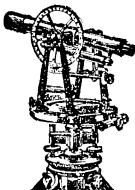
- “The Remainder Term in a Certain Development of  $F(a + x)$ ,” by PROFESSOR R. D. CARMICHAEL, Indiana University;
- “A Geometric Interpretation of the Function  $F$  in Hyperbolic Orbits,” by PROFESSOR W. O. BEAL, Illinois College;
- “Certain Theorems in the Theory of Quadratic Residues,” by PROFESSOR D. N. LEHMER, University of California;
- “Some Inverse Problems in the Calculus of Variations,” by DR. E. J. MILES, Yale University;
- “Amicable Number Triples,” by PROFESSOR L. E. DICKSON, University of Chicago.

Professor Cajori's “History of Logarithms” has run serially from the beginning and will have covered about 60 pages when concluded in the September issue. This is not only a contribution of great value but it is, at the same time, an extremely fascinating piece of reading. It will not be obtainable elsewhere after the present limited number of extra copies is exhausted, and these will be supplied only to new subscribers to the **MONTHLY**.

**The Subscription Price of the Monthly** is only Two DOLLARS (\$2.50 in foreign countries) per volume of ten numbers containing about 350 pages. Subscriptions should be sent to the Treasurer, B. F. Finkel, Springfield, Missouri.

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